



ATTORNEYS AT LAW

Robert Greene Sterne  
Jorge A. Goldstein  
David K.S. Cornwall  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michael A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
John M. Covert  
Robert C. Millonig  
Donald J. Featherstone  
Timothy J. Shea, Jr.  
Michael V. Messinger  
Judith U. Kim  
Jeffrey T. Helvey  
Eldora L. Ellison  
Donald R. Banowitz

Peter A. Jackman  
Brian J. Del Buono  
Mark Fox Evans  
Vincent L. Capuano  
Elizabeth J. Haanes  
Michael D. Specht  
Kevin W. McCabe  
Glenn J. Perry  
Edward W. Yee  
Grant E. Reed  
Virgil Lee Beaston  
Theodore A. Wood  
Joseph S. Ostroff  
Jason D. Eisenberg  
Tracy L. Muller  
Jon E. Wright  
LuAnne M. DeSantis  
Ann E. Summerfield  
Helene C. Carlson

Cynthia M. Bouchez  
Timothy A. Doyle  
Gaby L. Longsworth  
Lori A. Gordon  
Laura A. Vogel  
Bryan S. Wade  
Bashir M.S. Ali  
Shannon A. Carroll  
Anbar F. Khal  
Michelle K. Holoubek  
Marsha A. Rose  
Scott A. Schaller  
Lei Zhou  
Young Tang  
Christopher J. Walsh  
W. Blake Coblenz\*  
James J. Pohl  
John T. Haran  
Mark W. Rygiel

Michael R. Malek\*  
Carla Ji-Eun Kim  
Doyle A. Siever\*  
Ulrike Winkler  
Bryan L. Skelton\*  
Paul A. Calvo  
Robert A. Schwartzman  
C. Matthew Rozier  
Alexandra K. Pechhold  
**Registered Patent Agents\***  
Karen R. Markowitz  
Matthew J. Dowd  
Katrina Yujian Pei Quach  
Julie A. Heider  
Mita Mukherjee

Scott M. Woodhouse  
Peter A. Socaris  
Jeffrey K. Mills  
Danielle L. Letting  
Lori Brandes  
Steven C. Oppenheimer  
Aaron S. Lukas  
Gaurav Asthana  
**Of Counsel**  
Edward J. Kessler  
Kenneth C. Bass III  
Marvin C. Guthrie  
Christopher P. Wrist  
**\*Admitted only in Maryland**  
**\*Admitted only in Virginia**  
**•Practice Limited to Federal Agencies**

May 8, 2007

**WRITER'S DIRECT NUMBER:**  
(202) 772-8774

**INTERNET ADDRESS:**  
TDOYLE@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 2616**

**Attn: Mail Stop Amendment**

Re: U.S. Amendment Patent Application  
Application No. 10/695,458; Filed: October 29, 2003  
For: **Cross Link Multiplexer Bus**  
Inventors: Amirichimeh *et al.*  
Our Ref: 1875.3640002/JTH/TAD

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Second Preliminary Amendment Under 37 C.F.R. § 1.115;
2. Information Disclosure Statement;
3. Form PTO/SB/08A listing seven (7) documents (US1-US7);
4. Form PTO/SB/08B listing ten (10) documents (NPL1-NPL10); and
5. Copies of the cited Non Patent Literature documents (NPL1-NPL10).

*The above-listed documents are filed electronically through EFS-Web.*

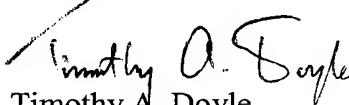
In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
May 8, 2007  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Timothy A. Doyle  
Attorney for Applicants  
Registration No. 51,262

TAD krb  
Enclosures

673858\_1.DOC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Amirichimeh *et al.*  
Appl. No.: 10/695,458  
Filed: October 29, 2003  
For: **Cross Link Multiplexer Bus**

Confirmation No.: 4577  
Art Unit: 2616  
Examiner: Jain, Raj K.  
Atty. Docket: 1875.3640002/JTH/TAD

**Information Disclosure Statement**

***Mail Stop Amendment***

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.
- 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$ \_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).
4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$ \_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure

Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
5. Document US1 was cited in a search report in a counterpart PCT application. A copy of the search report is being cited as document NPL1 for the convenience of the Examiner.
6. A concise explanation of the relevance of the non-English language document(s) appears below in accordance with 37 C.F.R. § 1.98(a)(3).
7. Copies of documents NPL1-NPL10 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents cited on the attached IDS Forms are submitted.
8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed

\_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

9. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). \_\_\_\_\_ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Timothy A. Doyle  
Attorney for Applicants  
Registration No. 51,262

Date: May 8, 2007

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

673727\_1.DOC

Substitute for form 1449/PTO				<b><i>Complete if Known</i></b>	
				Application Number	10/695,458
				Filing Date	October 29, 2003
				First Named Inventor	Abbas Amirichimeh
				Art Unit	2616
				Examiner Name	Jain, Raj K.
Sheet	1	of	1	Attorney Docket Number	1875.3640002/JTH/TAD

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		
	US1	4,833,605	05-23-1989	Terada et al.	
	US2	4,833,695	05-23-1989	Greub	
	US3	6,259,693 B1	07-10-2001	Ganmukhi et al.	
	US4	6,317,804 B1	11-13-2001	Levy et al.	
	US5	6,483,849 B1	11-19-2002	Bray et al.	
	US6	7,032,139 B1	04-18-2006	Iryami et al.	
	US7	7,035,228 B2	04-25-2006	Baumer	
	US8				
	US9				
	US10				
	US11				
	US12				
	US13				
	US14				
	US15				
	US16				
	US17				
	US18				
	US19				
	US20				

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>2</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	MM-DD-YYYY		
	FP1				T <sup>6</sup>
	FP2				
	FP3				
	FP4				
	FP5				
	FP6				
	FP7				
	FP8				
	FP9				

673668\_1.DOC

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b><i>Complete if Known</i></b>	
				<i>Application Number</i>	10/695,458
				<i>Filing Date</i>	October 29, 2003
				<i>First Named Inventor</i>	Abbas Amirichimeh
				<i>Art Unit</i>	2616
				<i>Examiner Name</i>	Jain, Raj K.
Sheet	1	of	1	<i>Attorney Docket Number</i>	1875.3640002/JTH/TAD

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
	NPL1	International Search Report issued December 14, 2004, for International Application No. PCT/US003/34234, 5 pages.			
	NPL2	<i>Alaska Quad-Port Gigabit Ethernet Over Copper Transceivers</i> , from <a href="http://www.marvell.com/products/transceivers/quadport/">http://www.marvell.com/products/transceivers/quadport/</a> ..., 1 page, printed May 8, 2007.			
	NPL3	<i>Alaska X10 Gigabit Ethernet Alaska Gigabit Ethernet Fast Ethernet Physical Layer (PHY) Transceiver Families Provide a Full Range of Ethernet Transceiver Solutions for the Broadband Communications Industry</i> , from <a href="http://www.nuhorizons.com/FeaturedProducts/Volume3/Marvell/phy_transceiver.asp">http://www.nuhorizons.com/FeaturedProducts/Volume3/Marvell/phy_transceiver.asp</a> , 4 pages, Copyright 2007, printed May 8, 2007.			
	NPL4	<i>Cisco Search: Results for "cdl" within "News@Cisco"</i> , from <a href="http://www.cisco.com/pcgi-bin/search/search.pl">http://www.cisco.com/pcgi-bin/search/search.pl</a> , Copyright 1992-2003, printed July 29, 2003.			
	NPL5	<i>Industry Breakthrough: Marvell Announces the First Quad-Port Transceiver to Support Both Copper and Fiber-Optic Gigabit Ethernet Interfaces</i> , from Business Wire at <a href="http://www.encyclopedia.com/printable/aspx?id=1G1:68912211">www.encyclopedia.com/printable/aspx?id=1G1:68912211</a> , 4 pages, January 9, 2001, printed May 8, 2007.			
	NPL6	<i>David Maliniak (ed.), Bel's integrated connector modules support Marvell's Alaska quad Gigabit Ethernet transceiver</i> , from <a href="http://www.electronicsweb.com/Content/news/">http://www.electronicsweb.com/Content/news/</a> ..., 1 page, December 14, 2000, printed May 8, 2007.			
	NPL7	<i>Marvell Gets Small</i> , from <a href="http://www.lightreading.com/document.asp?doc_id=12004&amp;print=true">http://www.lightreading.com/document.asp?doc_id=12004&amp;print=true</a> , 1 page, February 19, 2002, printed May 8, 2007.			
	NPL8	<i>Marvell Introduces the Industry's Smallest Quad-Port Gigabit Transceiver Device, Enabling Ultra High Port Density Enterprise Switching Systems</i> , from <a href="http://www.marvell.com/press/pressNewsDisplay.do?releaseID=41">http://www.marvell.com/press/pressNewsDisplay.do?releaseID=41</a> , 3 pages, February 19, 2002, printed May 8, 2007.			
	NPL9	<i>Q&amp;A: Hiroshi Suzuki on Extending Ethernet Beyond the LAN</i> , from <a href="http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_qa.html">http://newsroom.cisco.com/dlls/innovators/optical/hiroshi_suzuki_qa.html</a> , 3 pages, Copyright 1992-2003, printed July 29, 2003.			
	NPL10	<i>Ed Turner and David Law, IEEE P802.3ae MDC/MDIO</i> , from <a href="http://www.ieee802.org/3/efm/public/sep01/turner_1_0901.pdf">http://www.ieee802.org/3/efm/public/sep01/turner_1_0901.pdf</a> , 21 pages, Sept. 17-19, 2001.			

673672\_1.DOC

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.